

AMENDMENT TO THE CLAIMS

Claims 1-18. Cancelled

19. (Original) A multiple-element antenna for use with a mobile communication device having a transmitter and a receiver, wherein the multiple-element antenna includes a monopole portion coupled to the receiver and a dipole portion coupled to the transmitter, the multiple-element antenna comprising:

a single dielectric substrate; and

the monopole portion and the dipole portion fabricated on the single dielectric substrate;

wherein the dipole portion is fabricated in close proximity to the monopole portion in order to electromagnetically couple the monopole portion with the dipole portion.

20. Cancelled.

21. (Original) The multiple-element antenna of claim 19, wherein the multiple-element antenna is mounted on at least one inside surface of the mobile communication device.

22. (Original) The multiple-element antenna of claim 19, wherein the mobile communication device is a dual-band mobile communication device, and wherein the monopole portion is tuned to a first operating frequency and the dipole portion is tuned to a second operating frequency.

23. (Original) The multiple-element antenna of claim 19, wherein the mobile communication device is selected from the group consisting of: a Personal Digital Assistant, a cellular telephone, and a wireless two-way email communication device.

24. (New) The multiple-element antenna of claim 19, wherein the single dielectric substrate is a flexible dielectric substrate.

25. (New) The multiple-element antenna of claim 19, wherein:

the monopole portion includes a top section, a middle section and a bottom section, the middle section defining a recess between the top and bottom sections, and the bottom section including a monopole feeding port configured to couple the monopole portion to communications circuitry in the mobile communication device;

the dipole portion having at least one dipole feeding port configured to couple the dipole portion to communications circuitry in the mobile communication device; and

the dipole portion being positioned within the recess in order to electromagnetically couple the monopole portion with the dipole portion.

26. (New). The multiple-element antenna of claim 25, wherein the top section of the monopole portion includes a meandering line.

27. (New) The multiple-element antenna of claim 26, wherein the conductor length of the meandering line is pre-selected to tune the monopole portion to an operating frequency.

28. (New) The multiple-element antenna of claim 19, wherein the dipole portion is an open folded dipole antenna.

29. (New) The multiple-element antenna of claim 19, wherein the dipole portion is an offset feed, open folded dipole antenna.

30. (New) The multiple-element antenna of claim 19, wherein the dipole portion includes a top load.

31. (New) The multiple-element antenna of claim 30, wherein the dimensions of the top load are pre-selected to tune the dipole portion to an operating frequency.

32. (New) The multiple-element antenna of claim 19, wherein the dipole portion includes a first conductor section and a second conductor section.

33. (New) The multiple-element antenna of claim 32, wherein the first and second conductor sections define a gap.

34. (New) The multiple-element antenna of claim 33, wherein the size of the gap is pre-selected to set the gain of the dipole portion.

35. (New) The multiple-element antenna of claim 25, wherein the monopole feeding port couples the monopole portion to a receiver in the mobile communication device.

36. (New) The multiple-element antenna of claim 25, wherein the dipole feeding port couples the dipole portion to a transmitter in the mobile communication device.

37. (New) The multiple-element antenna of claim 21, wherein the single dielectric substrate is folded to mount the multiple-element antenna to a plurality of perpendicular inside surfaces of the mobile communication device.